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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/960,662	09/22/2001	Robert H. Gore	50773	5996
	590 11/19/2004		EXAMINER ZALUKAEVA, TATYANA	
EDWARDS & P.O. BOX 5587	& ANGELL, LLP 14			
BOSTON, MA			ART UNIT	PAPER NUMBER
			1713	
		•	DATE MAILED: 11/19/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	<u> </u>
	09/960,662	GORE ET AL.	
Office Action Summary	Examiner	Art Unit	
	Tatyana Zalukaeva	1713	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become APANDONE.	nely filed s will be considered timely. the mailing date of this communication.	
Status			
Responsive to communication(s) filed on 30 Au This action is FINAL . 2b) ☑ This Since this application is in condition for allowan closed in accordance with the practice under Expression.	action is non-final. ace except for formal matters, pro	secution as to the merits is 3 O.G. 213.	
Disposition of Claims			
 4) Claim(s) 1-6,8,9 and 33-35 is/are pending in the 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1,6,8,9,33-35 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or 	n from consideration.		
Application Papers			
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) acception acceptance acception acceptance acception acceptance acceptan	pted or b) objected to by the E rawing(s) be held in abeyance. See on is required if the drawing(s) is obje	37 CFR 1.85(a).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign p a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau (have been received. have been received in Application y documents have been received	n No	
* See the attached detailed Office action for a list of			
Attachment(s)) Notice of References Cited (PTO-892) Down Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary (P Paper No(s)/Mail Date	·	
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5)	ent Application (PTO-152)	
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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

- 1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 08/30/2004 has been entered.
- 2. Claims 1-6, 8, 9, and 33-35 are pending.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 4. Claims 1-6, 8, 9, and 33-35 are rejected under 35 U.S.C. 102(e) as being anticipated by Allen et al (U.S. 6,420,441).

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Allen discloses method for making a plurality of solution crosslinked polymer particles (col.3, line 59) with the mean particle size in the range of 1 nm –1000 nm (col.3, lines 65-66), preferably 1-200 nm (col.4, line 1) by copolymerizing ethylenically unsaturated monomers listed in col.4, lines 21-67, col.5, lines 1-6) and other monomers listed in col, 5 and 6 with suitable crosslinking agents, which are multiethylenically unsaturated agents and presented in col.8, lines 25-55. Suitable polymers as porogen particles are listed in the paragraph bridging col.8 and 9. These polymers composed of monomers readable on all the monomers and crosslinking agents of the instant claims.

With regard to the steps of the process as claimed, Allen discloses a specific process wherein the solution polymers are generally prepared by *first charging a solvent heel* to a reaction vessel equipped with a stirrer, a thermometer and a reflux condenser. The monomer mixture is typically composed of monomer, initiator and chain transfer agent, as appropriate. The *solvent heel is heated* with stirring under a nitrogen blanket to a temperature from about 55C. to about 125C. After the *heel charge has reached a temperature sufficient to initiate polymerization, the monomer mixture* is charged to the reaction vessel over a period of 15 minutes to 4 hours while maintaining the reaction at the desired reaction temperature. *After completing the monomer mixture addition, a series of additional aliquots of initiator in solvent are charged to the reaction.* Typically, the initiator is charged to the reaction and followed by a hold period to allow for reaction to occur before adding the next initiator amount. Typically three initiator additions are used. After the final initiator amount is added the batch is held for 30 minutes to 4 hours to fully decompose all initiator and

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drive the reaction to completeness. This reads on all the steps of the process of the intant claims 1 and 33.

With specific regard to the particle size polydispersity, it is a base presumption that this property will inherently and necessarily flow from the identity of both polymers per se, their particle sizes and chemical make-up, as well from the identity of the process by which thedse monomers are obtained. Products of identical chemical composition cannot have mutually exclusive properties. A chemical composition and its properties are inseparable. Therefore if the prior art teaches the identical chemical structure, the properties and characteristics applicant discloses and/or claims are necessarily present. *In re Spada*, 911 F.2d 705,709,15 USPQ2d 1655,1658 (Fed. Cir. 1990).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tatyana Zalukaeva whose telephone number is (571) 272-1115. The examiner can normally be reached on 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tatyana Zalukaeva Primary Examiner Art Unit 1713

November 14, 2004